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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 6

Complete if Known

Application Number 09/876,830
Filing Date June 6, 2001
First Named Inventor Michael W. Reed
Group Art Unit 1656
Examiner Name Unassigned
Attorney Docket Number 17682A-006810US

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant or Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
<i>Me</i>	1	5,304,645		Klein et al.		
<i>Me</i>	2	4,954,630		Klein et al.		
<i>Me</i>	3	5,455,157		Hinzpeter et al.		
<i>Me</i>	4	5,830,653		Froehner et al.		
<i>Me</i>	5	6,028,183		Lin et al.		
<i>Me</i>	6	6,007,992		Lin et al.		
<i>Me</i>	7	2,264,303		Dickey	12/02/41	
<i>Me</i>	8	4,358,535		Falkow et al.	11/09/82	
<i>Me</i>	9	4,868,105		Urdea et al.	09/19/89	
<i>Me</i>	10	5,124,246		Urdea et al.	06/23/92	
<i>Me</i>	11	5,210,015		Gelfand et al.	05/11/93	
<i>Me</i>	12	5,328,824		Ward	07/12/94	
<i>Me</i>	13	5,451,463		Nelson et al.	09/19/95	
<i>Me</i>	14	5,492,806		Ormanac et al.	02/20/96	
<i>Me</i>	15	5,512,667		Reed et al.	04/30/96	
<i>Me</i>	16	5,525,464		Ormanac et al.	06/11/96	
<i>Me</i>	17	5,556,752		Lockhart et al.	09/17/96	
<i>Me</i>	18	5,696,251		Arnold, Jr. et al.	12/09/97	
<i>Me</i>	19	5,801,155		Kutyavin et al.	09/01/98	
<i>Me</i>	20	5,824,796		Petrie et al.	10/20/98	
<i>Me</i>	21	5,846,726		Nadeau	12/08/98	
<i>Me</i>	22	5,876,930		Livak et al.	03/02/99	
<i>Me</i>	23	5,942,610		Nelson et al.	08/24/99	

Examiner Signature

Date Considered

3/22/04

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Filing Date	June 6, 20001
First Named Inventor	Michael W. Reed
Group Art Unit	1656
Examiner Name	Unassigned
Attorney Docket Number	17682A-006810US

Sheet 2 of 6

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
MA	24	5,952,202		Aoyagi et al.	09/14/99	
MA	25	5,502,177		Matteucci et al.	03/96	

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
MA	26	PCT	WO 00/06771		McGall et al.	02/10/00		<input type="checkbox"/>
	27	Int'l	Wb 90/14353			11/29/90		<input type="checkbox"/>
	28	Int'l	Wb 92/10588			06/25/92		<input type="checkbox"/>
	29	Int'l	Wb 96/17957			06/13/96		<input type="checkbox"/>
	30	Int'l	Wb 99/40226			08/12/99		<input type="checkbox"/>
	31	Int'l	Wb 99/51621			10/14/99		<input type="checkbox"/>
	32	EP	Wb 00/70685			01/26/83		<input type="checkbox"/>
MA	33	PCT	WO 97/39008		Iyagi and Kramer	10/23/97		<input type="checkbox"/>

Examiner Signature	<i>Michael W. Reed</i>	Date Considered	3/22/04
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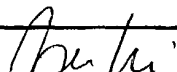
Sheet 3 of 6

Complete if Known

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Filing Date	June 6, 2001
First Named Inventor	Michael W. Reed
Group Art Unit	1656
Examiner Name	Unassigned
Attorney Docket Number	17682A-006810US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	34	Nonisotopic DNA Probe Techniques, Academic Press, Inc., San Diego 1992, pp. 311-352	<input type="checkbox"/>
	35	Tyagi et al., <i>Nat. Biotech.</i> , 16:49-53 (1998)	<input type="checkbox"/>
	36	Nazarenko et al., <i>Nucl. Acid Res.</i> , 25:2516-2521 (1997)	<input type="checkbox"/>
	37	Lee et al., <i>Nucl. Acid Res.</i> , 21:3781-3786	<input type="checkbox"/>
	38	Rothman et al., <i>Biorg. Med. Chem. Lett.</i> , 9:509-512 (1999)	<input type="checkbox"/>
	39	Matayoshi et al., <i>Science</i> , 247:854-856 (1990)	<input type="checkbox"/>
	40	Li et al., <i>Bioconj. Chem.</i> , 10:241-245 (1999)	<input type="checkbox"/>
	41	Hawthorne et al., <i>Anal. Biochem.</i> , 253:13-17 (1997)	<input type="checkbox"/>
	42	Bickett et al., <i>Ann. N.Y. Acad. Sci.</i> , 732:351-355 (1994)	<input type="checkbox"/>
	43	White et al., <i>Anal. Biochem.</i> , 268:245-251 (1999)	<input type="checkbox"/>
	44	Petrie et al., <i>Bioconj. Chem.</i> , 3:85-87 (1992)	<input type="checkbox"/>
	45	Reed et al., <i>Bioconj. Chem.</i> , 2:217-225 (1991)	<input type="checkbox"/>
	46	Pon et al., <i>Nucl. Acids Res.</i> , 25:3629-3635 (1997)	<input type="checkbox"/>
	47	Haugland et al., <i>Handbook of Fluorescent Probes and Research Chemicals</i> , Sixth Edition, Eugene, OR., pp. 235-236 (1996)	<input type="checkbox"/>

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4 of 6

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Application Number	09/876,830
Filing Date	June 6, 2001
First Named Inventor	Michael W. Reed
Group Art Unit	1656
Examiner Name	Unassigned
Attorney Docket Number	17682A-006810US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
	48	Hirshberg et al., <i>Biochem.</i> , 37:10381-10385 (1998)	<input type="checkbox"/>
	49	Wiegant et al., <i>Cytogenet. Cell Genet.</i> , 63:73-76 (1993)	<input type="checkbox"/>
	50	Gamper et al., <i>Nucleic Acids Res.</i> , 21:145-150 (1993)	<input type="checkbox"/>
	51	Lukhtanov et al., <i>Bioconjugate Chem.</i> , 7:564-567 (1996)	<input type="checkbox"/>
	52	Eisen, <i>Methods of Enzym.</i> , 303:179-205 (1999)	<input type="checkbox"/>
	53	Boger et al., <i>J. Org. Chem.</i> , 52:1521- (1987)	<input type="checkbox"/>
	54	Uhlmann et al., <i>Angew. Chem. Inter. Ed.</i> , 37:2796-2823 (1998)	<input type="checkbox"/>
	55	Mayfield et al., <i>Anal. Biochem.</i> , 268:401-404 (1998)	<input type="checkbox"/>
	56	Holland et al., <i>Proc. Acad. Sci.</i> , 88:7276-7280 (1991)	<input type="checkbox"/>
	57	Wittwer et al., <i>Biotechniques</i> , 22:176-181 (1997)	<input type="checkbox"/>
	58	Baker et al., <i>J. Chem. Soc.</i> , 170, 173 (1950)	<input type="checkbox"/>
	59	Forchiasse et al., <i>J. Heterocyc. Chem.</i> , 20:493-494 (1983)	<input type="checkbox"/>
	60	Seela et al., <i>J. Chem. Soc., Perkin Trans.</i> , 1:479-488 (1999)	<input type="checkbox"/>
	61	Innis et al. (eds.), <i>PCR Protocols</i> , pp. 1-27, Academic Press, San Diego (1990)	<input type="checkbox"/>

Examiner
Signature

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3/24/04

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Sheet 5 of 6

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First Named Inventor	Michael W. Reed
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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	62	Hames et al. (eds.), <i>Nucleic Acid Hybridization: A Practical Approach</i> , pp. 47-110 IRL Press, Oxford (1985)	<input type="checkbox"/>
	63	Van Ness et al., <i>Nucleic Acids Res.</i> , 19:5143-5151 (1991)	<input type="checkbox"/>
	64	Sambrook et al., <i>Molecular Cloning: A Laboratory Manual</i> , pp. 11.45-11.57, Second Edition, Cold Spring Harbor Laboratory Press (1989)	<input type="checkbox"/>
	65	Ausubel et al., <i>Current Protocols in Molecular Biology</i> , John Wiley & Sons (1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996)	<input type="checkbox"/>
	66	Freifelder, <i>Physical Biochemistry</i> , pp. 700-712, Second Edition, Freeman & Co., San Francisco (1982)	<input type="checkbox"/>
	67	Whitcombe, D. et al., <i>Nat. Biotech.</i> , 17:804-807 (1999)	<input type="checkbox"/>
	68	Cardullo et al., <i>Proc Natl. Acad. Sci. USA</i> , 85:8790-8794 (1988)	<input type="checkbox"/>
	69	Du et al. <i>PhotochemCAD: A Computer-Aided Design and Research Tool in Photochemistry</i> , <i>Photochem. Photobiol.</i> , 68:141-142 (1998)	<input type="checkbox"/>
	70	Nielsen et al., <i>Science</i> , 254:1497-1500 (1991) bicyclo DNA oligomers	<input type="checkbox"/>
	71	Bolli et al., <i>Nucleic Acids Res.</i> , 24:4660-4667 (1996)	<input type="checkbox"/>
	72	Gamper et al., <i>Biochem</i> , 36:14816-14826 (1997)	<input type="checkbox"/>
	73	Milesi et al., <i>Methods Enzym.</i> , 313:164-73 (1999)	<input type="checkbox"/>
	74	<i>Ann Phys.</i> , 2:55-75 (1948)	<input type="checkbox"/>
	75	Livak, <i>PRC Methods Appl.</i> , 5:357-362 (1995)	<input type="checkbox"/>

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	76	Ibrahim et al., <i>Mol. Cel. Probes</i> , 11:143-147 (1997)	<input type="checkbox"/>
	77	Demidov, <i>PNAS</i> , 92:2637-2641 (1995)	<input type="checkbox"/>
	78	Huang, <i>J. Org. Chem.</i> , 58:6235-6246 (1993)	<input type="checkbox"/>
	79	Seela, XIII International Round Table, Nucleosides, Nucleotides and Their Biological Applications, September 6-10, 1998, Poster 279	<input type="checkbox"/>
	80	Mayfield, <i>Biorg. Med. Chem. Lett.</i> , 9:1419-1422 (1999)	<input type="checkbox"/>
	81	Cantor et al., <i>Biopolymers</i> , 9:1059-1070 (1970)	<input type="checkbox"/>
	82	ASANUMA et al., "Photo-Responsive Oligonucleotides Carrying Azobenzene in the Side-Chains", <i>Tetrahedron Letters</i> , 39: 9015-9018 (1998)	
	83	"98 Catalogue", 1998 Amersham Pharmacia Biotech S-Hertogenbosch, Netherlands XP002172687, page 127, FluoroBlue	
	84	SOKOL et al, Real time detection of DNA-RNA hybridization in living cells", <i>Proc. Natl. Acad. Sci.</i> , 95:11538-11543 (September 1998).	

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Examiner Signature	<i>Beili</i>	Date Considered	3/24/04
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